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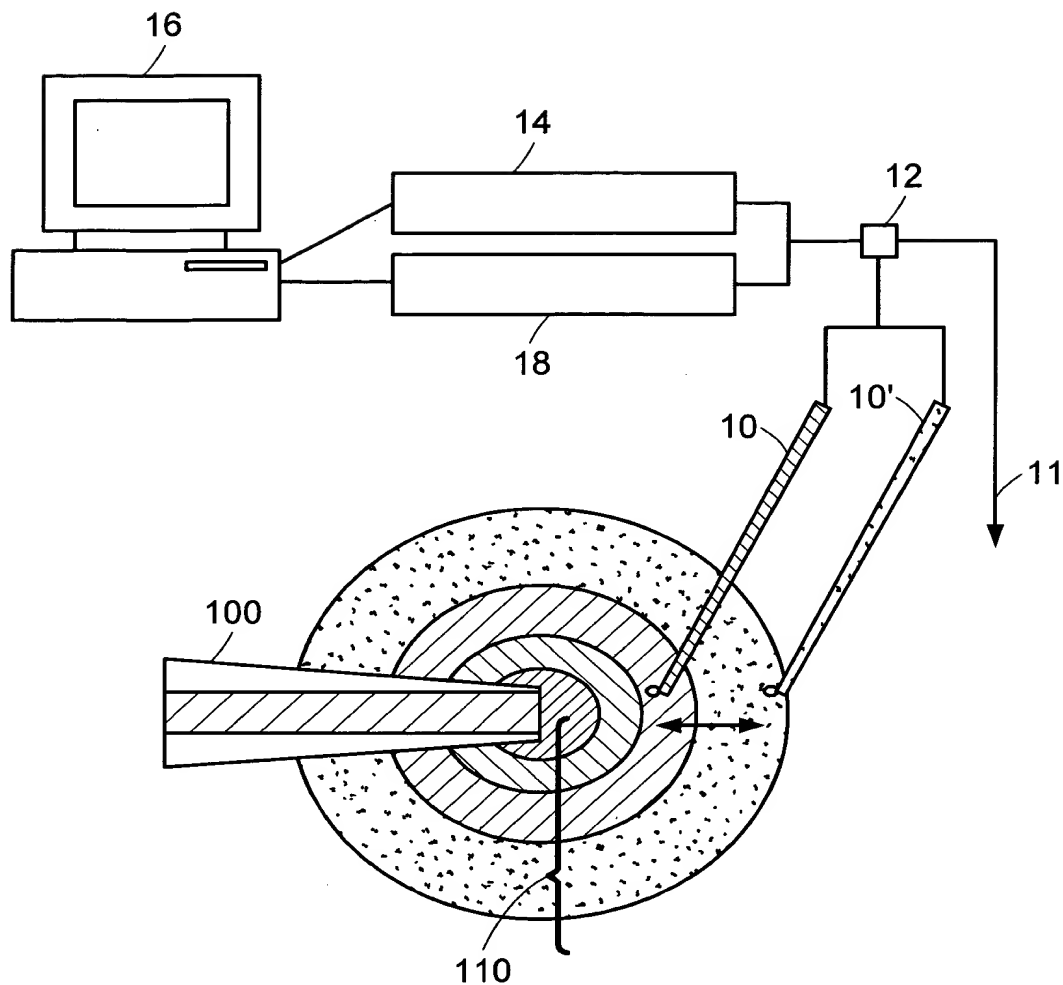


FIG. 1A

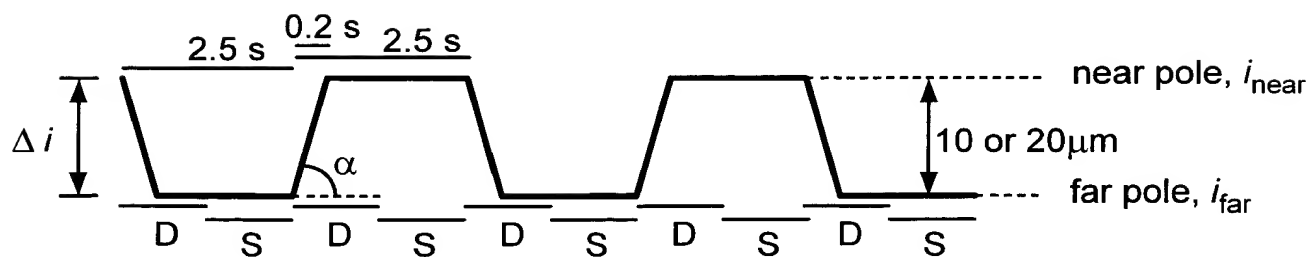


FIG. 1B



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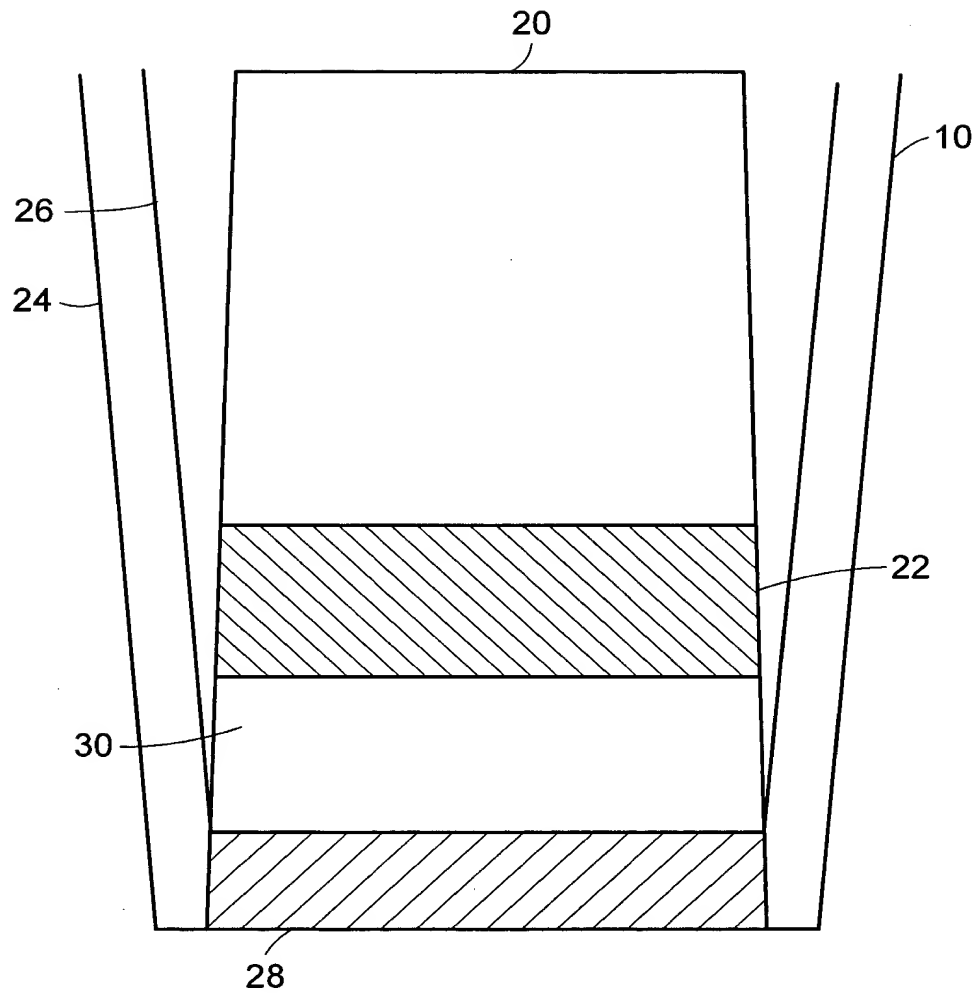


FIG. 2

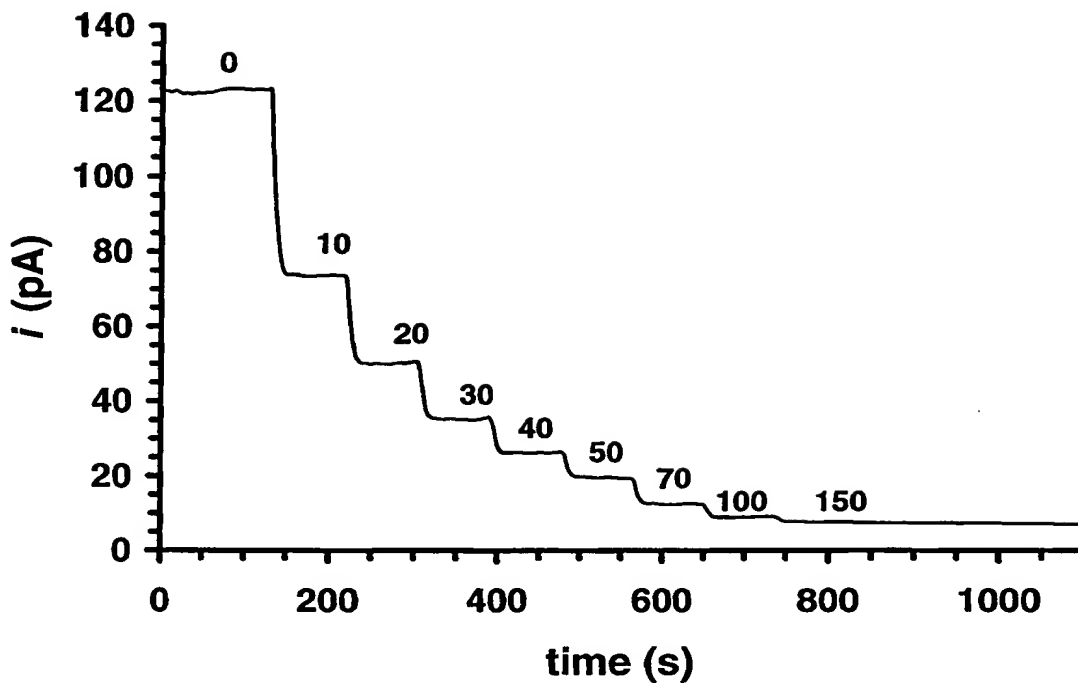


FIG. 3A

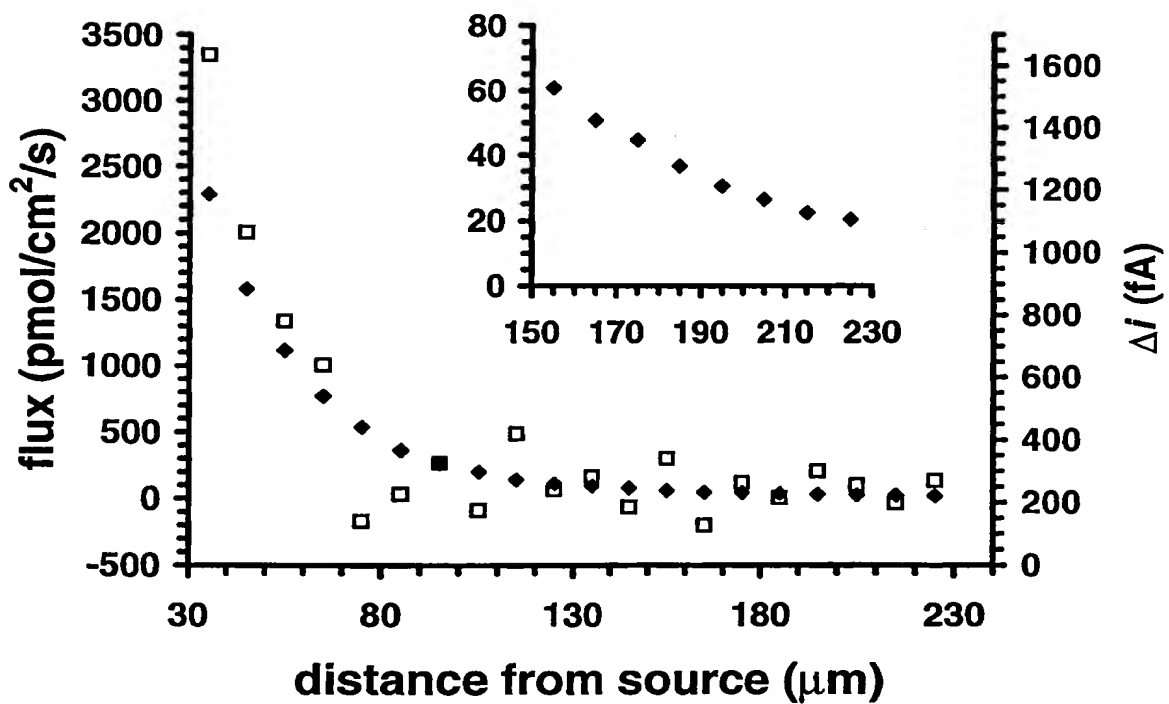


FIG. 3B

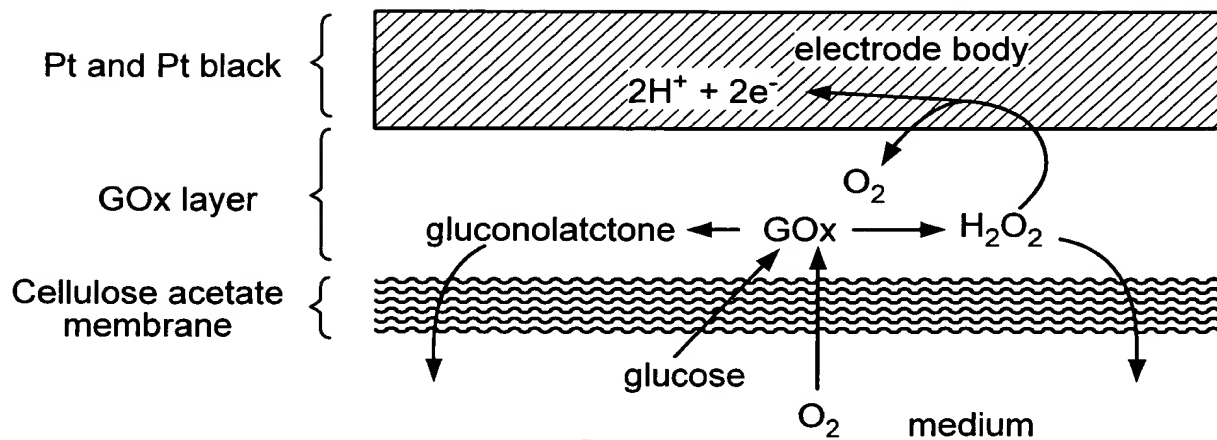


FIG. 4A

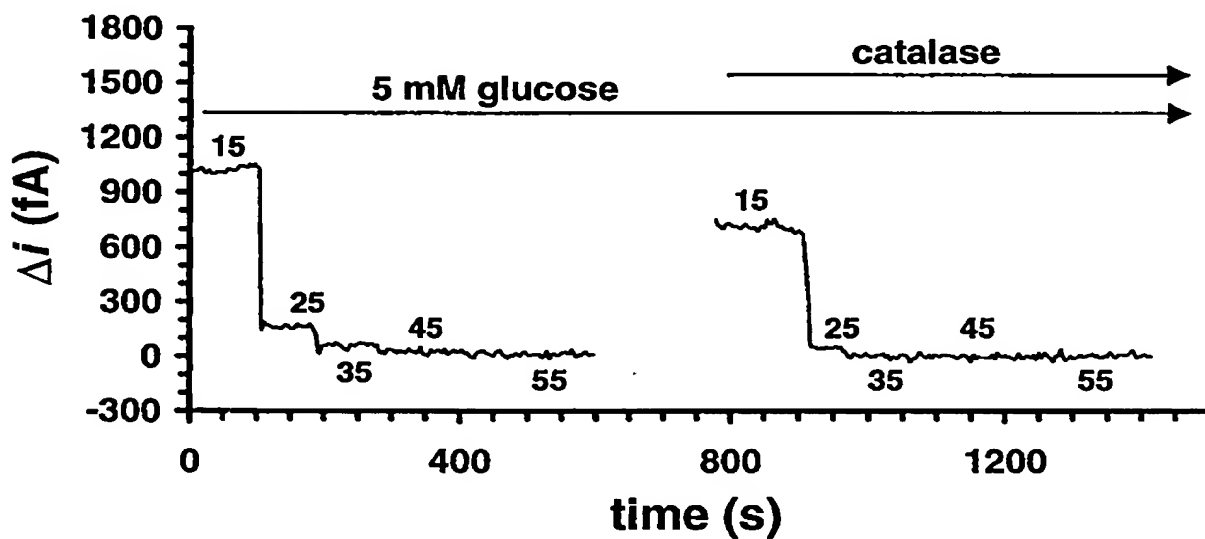


FIG. 4B

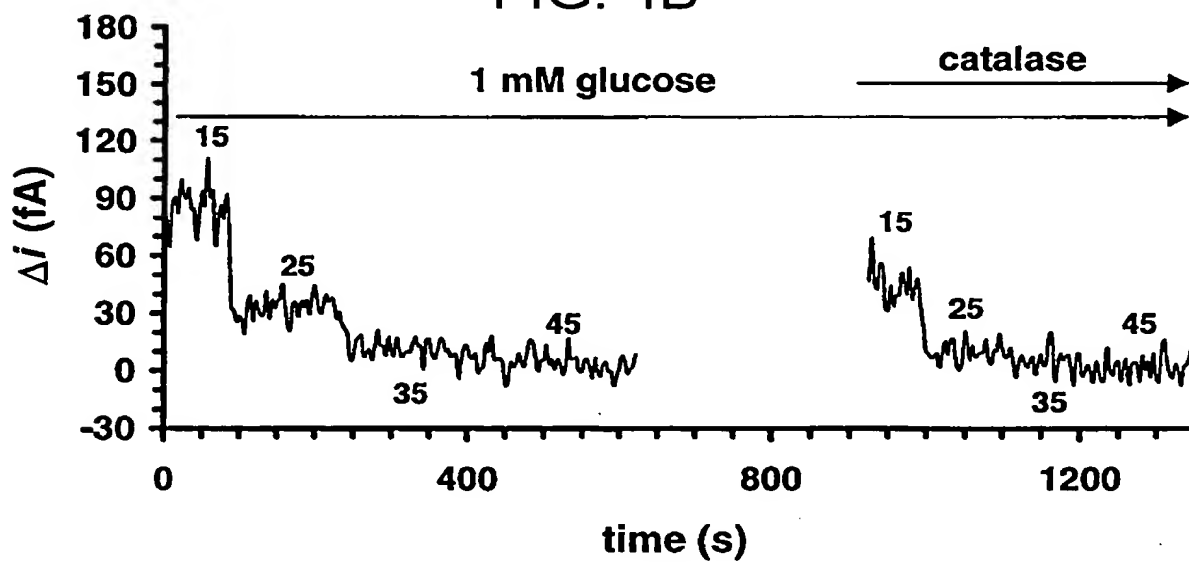
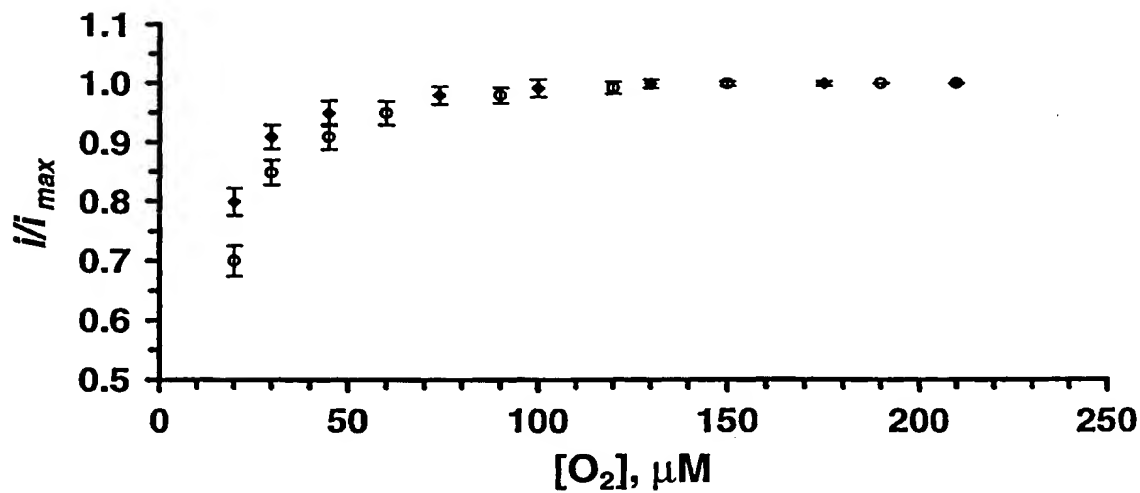
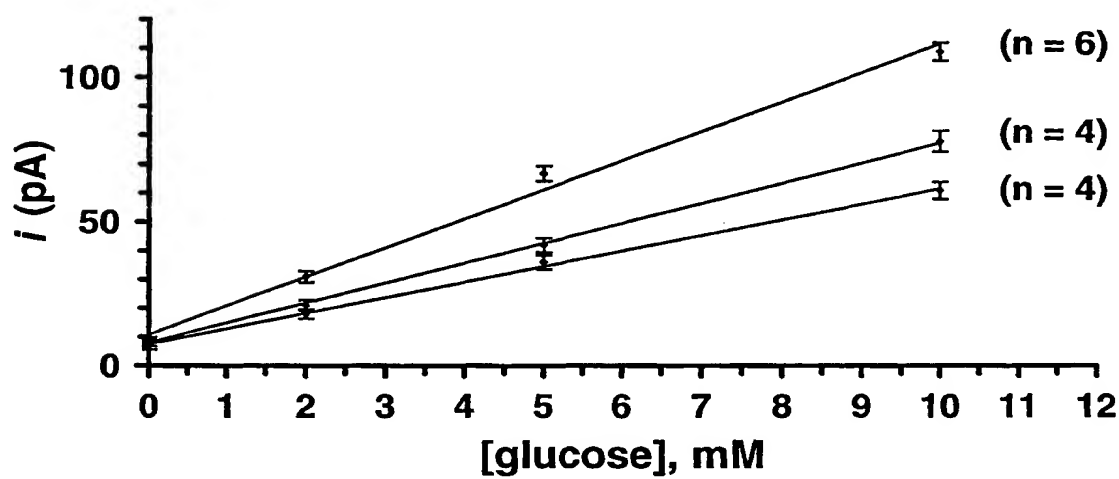
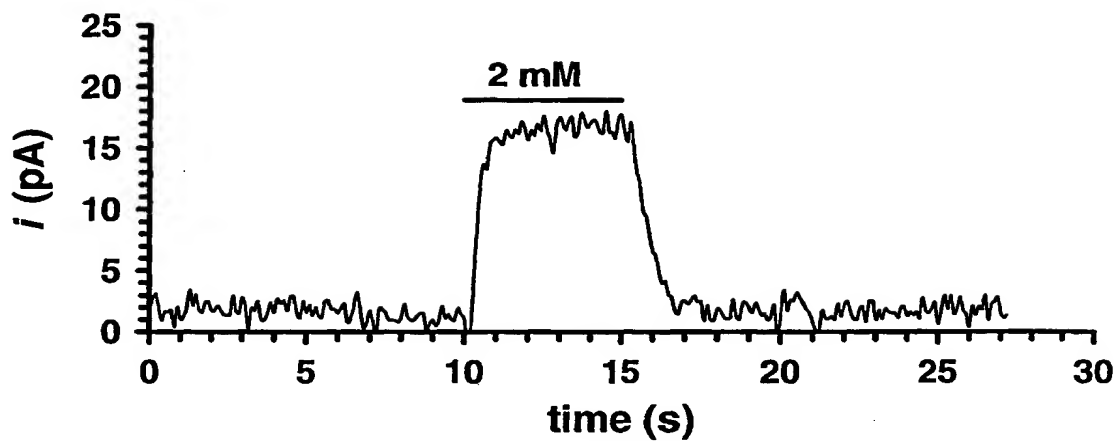


FIG. 4C



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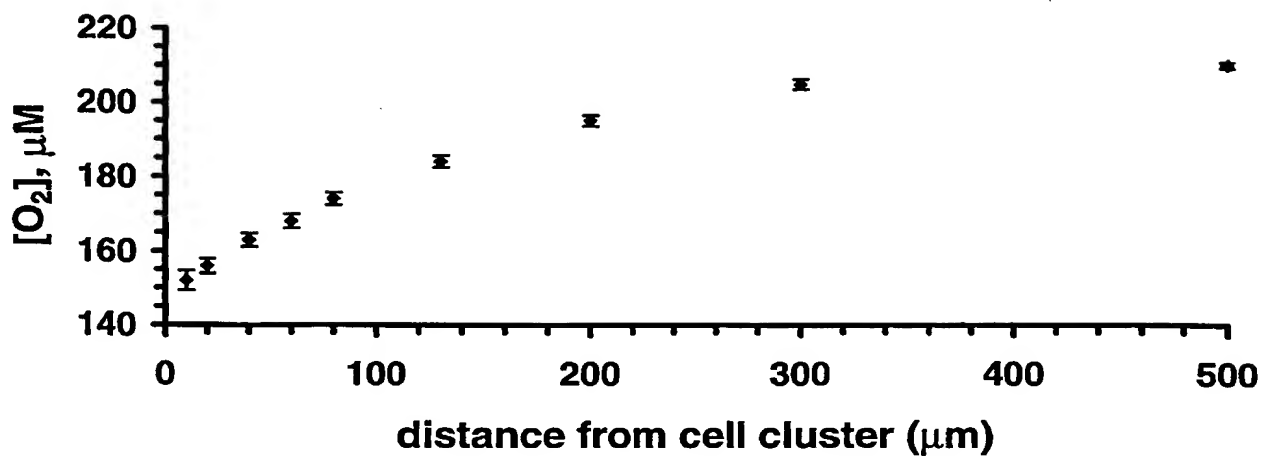


FIG. 6A

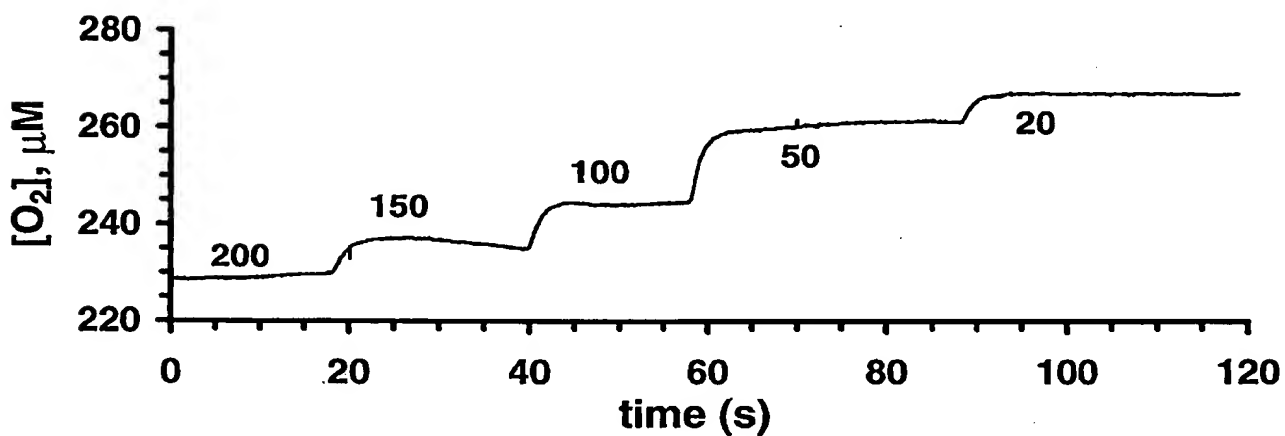


FIG. 6B

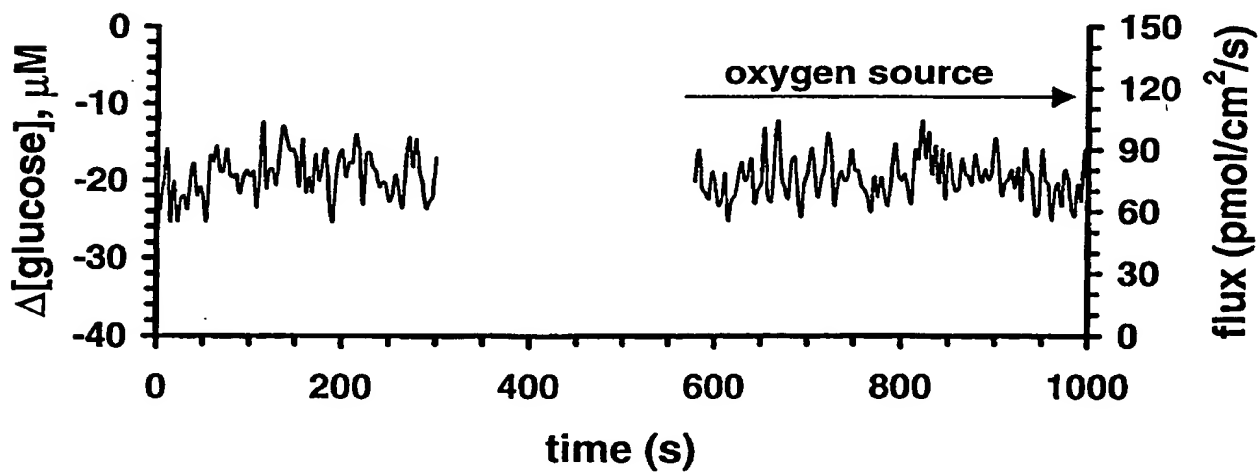


FIG. 6C

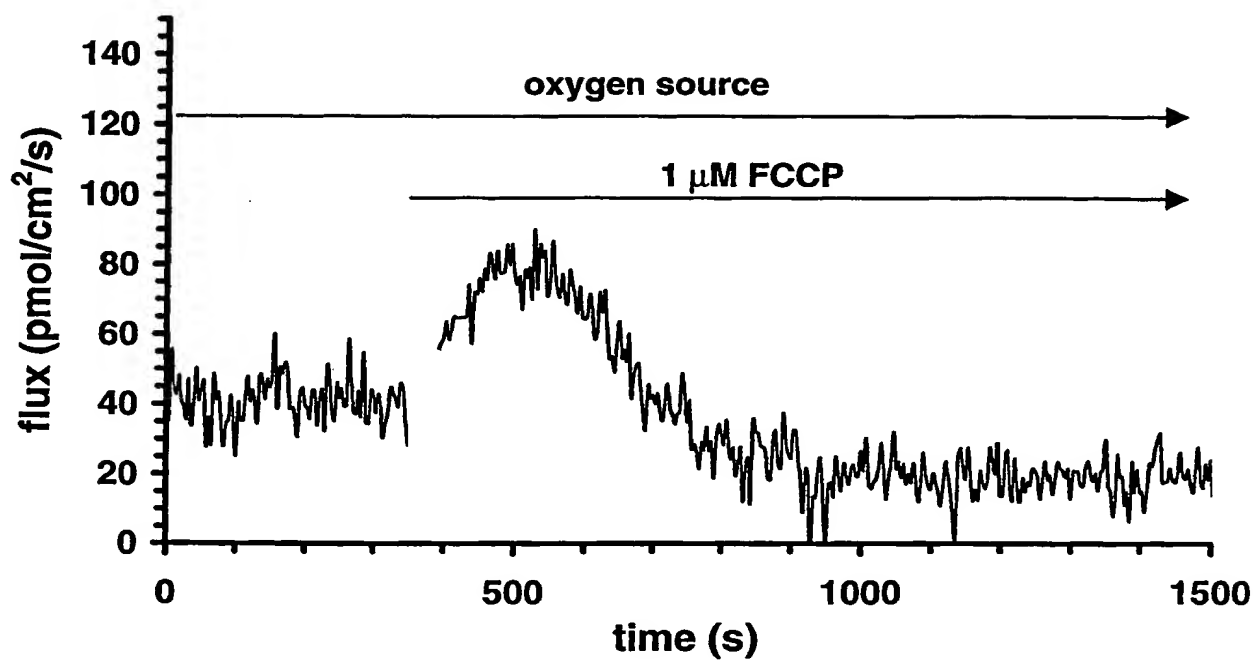


FIG. 7A

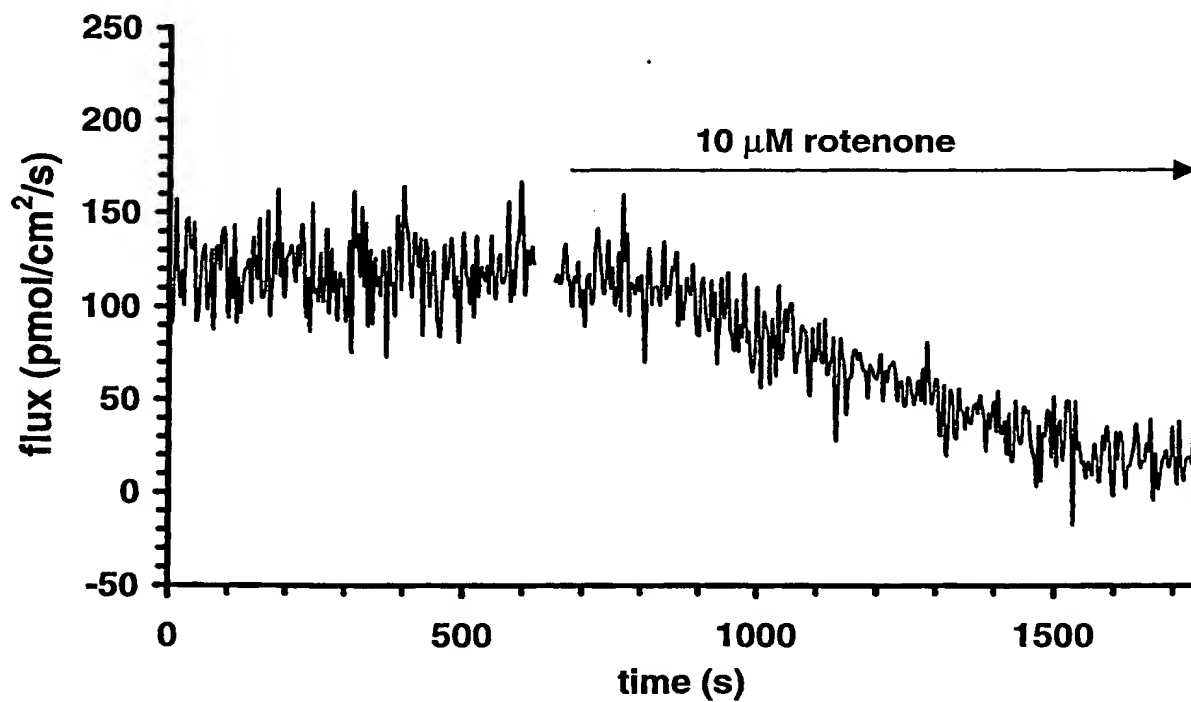


FIG. 7B

Glutamate gradient from 0.5 M glutamate source measured with a
 self-referencing glutamate microsensor

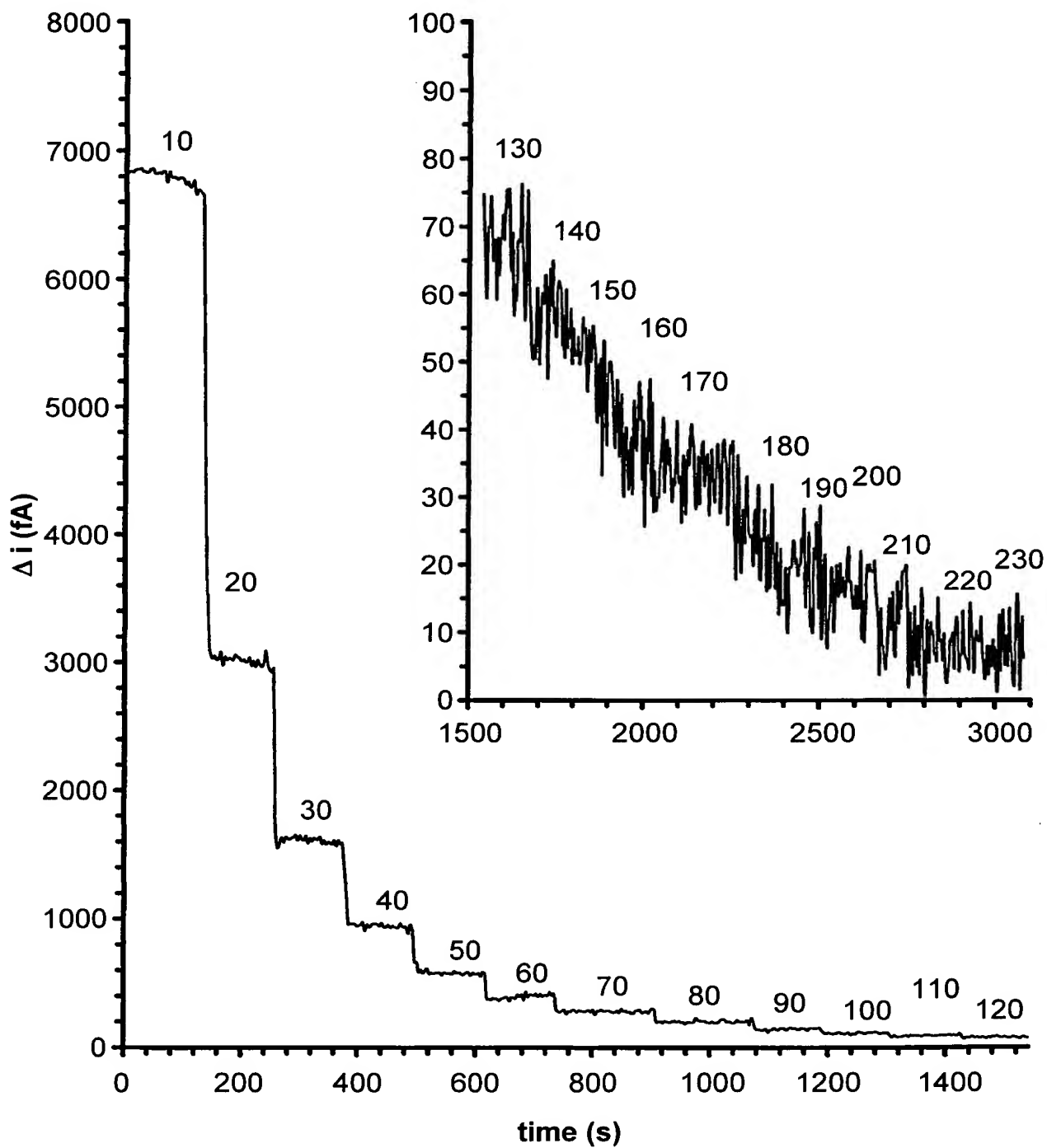


FIG. 8